

Notice of Allowability

Application No.

09/738,368

Examiner

Neveen Abel-Jalil

Applicant(s)

GEHMAN ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/5/2006.
2. ☒ The allowed claim(s) is/are 2-3, 15, & 23-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto, or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____

JEFFREY JACON
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DETAILED ACTION

Remarks

1. The Amendment filed on September-5-2006 has been received and entered. Claims 1, 4-14, 16-22, and 26 have been cancelled. Therefore, claims 2-3, 15, and 23-26 are now pending.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Frank C. Nicholas on September 6, 2006 (Attorney of Record).

Amendments to the Claims:

3. This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

4. The application has been amended as follows:
 1. (Cancelled)

2. (Currently Amended) A method ~~for~~ of processing directory events in a computer, comprising:

operating a directory service provider server to perform a data manipulation within a master directory database;

operating an event master server to assign a sequence number to said data manipulation;
and

operating said event master server to store said sequence number within said master directory database;

operating said event master server to provide an event message to an event service server, said event message including said sequence number and an event notification;

operating said master database to replicate said sequence number to a replicate directory database; and

operating said event service server to provide said event notification to an event client server in response to said replication of said sequence number to said replicate directory database.

3. (Original) The method of claim 2, further comprising:

operating said event client server to provide said event notification to at least one directory client registered to receive said event notification.

4 -14. (Cancelled)

15. (Previously Presented) A system, comprising:

a master directory database configured to store data;
a directory service provider server configured to manipulate said data;
an event master server configured to assign a first sequence number to any manipulation of said data within said master directory database by said directory service provider server, wherein said event master server is further configured to store said first sequence number within said master directory database;

a replicate directory database configured to store said data, wherein said master directory database is further configured to replicate said data and a second sequence number to said replicate directory database;

an event service server configured to poll said replicate directory database for said second sequence number in response to said first sequence number from said event master server;

a directory client; and

an event client server configured to provide an event notification to said directory client, wherein said event service server is further configured to provide said event notification to said event client server when said first sequence number is less than or equal to said second sequence number.

16 - 22. (Cancelled)

23. (Currently Amended) A system comprising

one or more directory service providers configured to manipulate data stored in at least one master directory database, each data manipulation assigned a sequence number by an event

master server and each data manipulation replicated to at least one replicate directory database based on the assigned sequence number; and

an event client server configured to notify at least one directory client based on the replication to each replicate directory database wherein the directory service provider and a directory event system are linked only a queue,

wherein the queue stores modification messages, ~~such that when~~ wherein a modification message is stored in the queue, an event message provider assigns a sequence number to the modification message, wherein the sequence number serves as a marker indicating that the corresponding manipulated data from the master directory database is stored within each replicate directory database.

24. (Previously Presented) The system of claim 23 wherein the event message provider provides an event message to the event service server, the event message including an event notification comprising the modification message or an edited version of the modification message, the event message further including the sequence number.

25. (Previously Presented) The system of claim 24 further comprising a replicate data monitor, the replicate data monitor configured to poll the replicate directory database for the maximum sequence number, the replicate data monitor further configured to compare the maximum sequence number to a current sequence number to determine whether the current sequence number is equal to or less than the maximum sequence number, and the replicate data

monitor configured to provide an event notification to the event client server when the current sequence number is equal to the maximum sequence number.

26. (Cancelled)

Allowance


6. Claims 2-3, 15, and 23-26 are allowed over the prior art made of record.
7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 571-272-4074. The examiner can normally be reached on 8:30AM-5:30PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Neeven Abel-Jalil
September 6, 2006